The Honorable Commissioner of Patents
and Trademarks   Page 3

AMENDMENTS TO THE SPECIFICATOIN

Please insert following paragraph after paragraph 20 in the present application as
published on October 21, 2004:

> Referring to Figure 1A, the present invention may utilize a measurer 102 to
> measure the optical signal to noise ratio (OSNR) values for each wavelength;
> a OSNR computer 104 to compute an OSNR range value, and an OSNR
> average value of the measured OSNR values; a raw power adjustment value
> computer 106 to compute a raw power adjustment value for each wavelength
> by subtracting each wavelength's measured OSNR value from the computed
> OSNR average value; a raw power adjustment correction factor computer 108
> to compute a raw power adjustment correction factor for each computed raw
> power adjustment value based on the computed OSNR range value in
> accordance with a pre-defined variable clamp value schedule, a larger clamp
> is scheduled for use when the computed OSNR range value is larger, and a
> smaller clamp is scheduled for use when the computed OSNR range value is
> smaller; a multiplier 110 to determine a clamped power adjustment value for
> each wavelength by multiplying each computed raw power adjustment value
> by the computed raw power adjustment correction factor.
> The corresponding determined clamped power adjustment value will the be
> applied to each wavelength. The process may be repeated until the computed
> OSNR range value is within pre-defined boundaries, and the signal is
> considered equalized.